। এইন চিট্রেই পুরুষী	)	CLASSIFIED MESSAGE	ROL	e data in a cara tradicione de la Rai de comunica e PTIMO	
DATE		SECRET		4   QD   5   11   6   MD	
25 <b>%</b> 1 :	Ø515Z 18 JUL 62		ZEMI	J RB	
	OSA (/1-2-3-4-5-6-7-8- S/C (11)	ROUTINE			
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- 25X1 4. DISTRIBUTION THIS MESSAGE LIMITED TO THOSE WITH ABSOLUTE NEED TO KNOW.

  2. MADE FOUR STARTS. THREE OTHER ATTEMPTS ABORTED DUE HSD
  - 2. MADE FOUR STARTS. THREE OTHER ATTEMPTS ABORTED DUE HSD
    CART CUT-OUT PREMATURELY. FIRST START WAS VERY RAPID AND WITHOUT
    TOUCHING FUEL CONTROL. THIS WAS FULLY AUTOMATIC OPERATION OF HSD
    CART. WHEN CART CUT-OUT ON SUBSEQUENT STARTS, CART OPERATION WAS
    SWITCHED TO MANUAL WITH A NOTICABLE DROP IN ENGINE ACCELERATION
    NOTED. THIS NECESSITATED "DOUBLE CLUTCHING" AT 2800 RPM MANGE.
    HSD REPRESENTATIVE BELIEVES HE DOES NOT GET FULL THROTTLE WHEN OPERATING
    IN MANUAL SYSTEM.
  - 3. STARTER CART PROBE MICRO SWITCH WIRING DEVELOPED ONE OPEN WIRE, NECESSITATING JURY RIG. CART BEING WORKED ON TONIGHT IN ATTEMPT TO GET BACK ON AUTOMATIC CONTROL.

FIRST RUN TODAY SAME AS YESTERDAY EXCEPT OPERATION WAS WITH NORMAL TEST STAND FUEL SYSTEM. VIOLENT NOZZLE FLUTTER AGAIN OCCURRED AT NOZZLE CLOSING SPEED.

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- SECOND RUN WITH HYDRAULIC PRESSURE GAGE DISCONNECTED AT ENGINE RESULTED IN SLIGHT NOZZLE OSCILATION DURING INITIAL CLOSE BUT WAS STABLE UP TO MILITARY POWED. ENGINE OBSERVED RPM VERY STABLE AT 645 G 6600 100% RPM. FUEL INLET PRESSURE REMAINED IN 50 PSIG RANGE AND ENGINE OPERATION WAS NORMAL.
- 6. ENGINE TRIMMED DOWN TO 1850 OBSERVED TT4, TEB DUMP CHECKED OK.
  SHUT DOWN TO REMOVE HYDRAULIC GAGE DAMPERS AND INSTALL .040 OR IFICE IN
  GAGE LINE AT ENGINE CONNECTION.
- NEXT RUN REPEATED SEVERE FLUTTER AT NOZZLE CLOSING CONDITIONS AND DID NOT ATTEMPT TO PUSH THROUGH. DISCONNECTED HYDRAULIC PRESSURE GAGE AND CAPPED AT ENGINE. THERE IS A DISTINCTLY AUDIBLE BUZZ IN THE HYDRAULIC GAGE LINE IN THE CONTROL ROOM AND CONSIDERABLE FINGER DISCOMFORT WHEN PRESSING LINE BETWEEN THUMB AND FOREFINGER.
- FINAL RUN REPEATED SLIGHT NOZZLE FLUTTER OR HUNT DURING.

  INITIAL CLOSING BUT WAS STABLE UP THRU 110 DEGREES PLA. AT 120 MY A B

  DEGREE PLA THE ENGINE WAS STABLE WITH THE NORMAL SLOW OSCILLATION

  OF NOZZLE TO MAINTAIN SPEED BUT EVERY 15 TO 30 SECONDS THERE WOULD

  OCCUR ONE OR TWO RAPID OSCILATIONS TO A GLOSED POSITION AND THEN RETURN

  TO STEADY OPERATION. REDUCING PLA AND NOZZLE AREA SLIGHTLY

  CORRECTED THIS CONDITION. IT WOULD APPEAR THAT THE NOZZLE IS UNSTABLE

  NEAR MAXIMUM AREA.
- 9. RAPID AND SNAP ACCELERATION AND DECELERATIONS FROM IDLE TO MILITARY AND MAX WERE SATISFACTORY. ELEED OPERATION WAS QUICK, NO EVIDENCE OF STALL NOTED DURING THROTTLE SWAPS. MAX ENGINE VIBRATION WAS 1.5 MILS TOTAL AMPLITUDE ON INLET CASE.
  - 10. MILITAR Approved Fersas Fe

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PAGE THREE

DOWN, TTA WENT TO 1850 DEGREES. RICHENED ONE AND ONE QUARTER TURNS TO 1960 DEGREES GAGE (1955 IS RATING). LEANED THREE QUARTER TURN, NO EFFECT. LEANED THREE QUARTER TURN MORE AND ONLY 15 TO 20 DEGREE - EFFECT.

- 11. STAND CONTROLS AND FUEL SYSTEM OK. DISCONNECTED AUTOMATIC FUEL FARM PUMPS FROM LOW LEVEL SHUT-OFF SWITCH TO PROTECT ENGINE AND WILL INSTALL LOW LEVEL WARNING LITE ON CONTROL PANEL.
- 12. PLAN TO DEMONSTRATE ENGINE OPERATION TO BASE OFFICIALS AND OPERATING CREWS IN A.M. TESTS WILL BE COMPLETE AT THAT TIME AND ENGINE WILL BE AVAILABLE FOR INSTALLATION CHECKS OR MODERNIZATION. DAYS RUN TIME 1:28, TOTAL FIELD TIME 2:13, TOTAL TIME 21:32.
- 13. APPROXIMATELY HALF OF TODAYS OPERATING TIME AT OR ABOVE MILITARY.

  (IN 42788)

  25X1 14. REF ITEM 7; HAVE NOT RECEIVED ANSWER TO YESTERDAYS

  WIRE RELATIVE TO HYDRAULIC GAGE DAMPERS ETC. WHILE WE NO LONGER NEED

  THE INFORMATION WE NEED TO SPEED UP COMMUNICATION. THE OUT TIME ON THE

  REFERENCE WIRE WAS 6 P.M. LOCAL TIME 16 JULY. REQUEST PRIORITY ON THIS

  WIRE TO INSURE A.M. DELIVERY.

END OF MESSAGE

SECRET